

RAW SEQUENCE LISTING

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Application Serial Number: 10/583,537
Source: IFWP
Date Processed by STIC: 07/05/2006

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IFWP

RAW SEQUENCE LISTING

DATE: 07/05/2006

PATENT APPLICATION: US/10/583,537

TIME: 13:57:11

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Output Set: N:\CRF4\07052006\J583537.raw

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3 <110> APPLICANT: Agrinomics LLC
5 <120> TITLE OF INVENTION: GENERATION OF PLANTS WITH ALTERED OIL CONTENT
7 <130> FILE REFERENCE: 6616-72631-06
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/583,537
C--> 9 <141> CURRENT FILING DATE: 2006-06-15
9 <150> PRIOR APPLICATION NUMBER: PCT/US2004/042750
10 <151> PRIOR FILING DATE: 2004-12-17
12 <150> PRIOR APPLICATION NUMBER: 60/530,799
13 <151> PRIOR FILING DATE: 2003-12-17
15 <160> NUMBER OF SEQ ID NOS: 4
17 <170> SOFTWARE: PatentIn version 3.2
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20 <211> LENGTH: 981
21 <212> TYPE: DNA
22 <213> ORGANISM: Arabidopsis thaliana
24 <400> SEQUENCE: 1
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29 gctaacgagt tcggactaac ggagttgcct aaagacgata aagtttacga gcttatctac      180
31 cgtcattgcc aatctaagct aactttctcac ttaagcaatc agtttgagat tgtatcaatt      240
33 ctcaagaacg gatttcaaac accattagga caagctaagc ttaaagcctt tcaaataatac      300
35 gctgagctctg ttgcaaagaa aagcggcagc tgctgtggaa acaaagctgc ggtggctgaa      360
37 gcggcgagag tgaaatacgg ttgttgcggt gtggagaagg aagagttaaa agcgattcta      420
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45 gagtttgatt caggtgtaga cagtttgaca tctccaaaca agtatattat ttggagcaca      660
47 cacatgaaca ctcatgtttt gcctgagttt gttgtttgca tcaaaactcc atctatcttg      720
49 aaaagaattg ctgatttggt atgtttattt gatatagaaa acccgaaatc tccttgatt      780
51 tcgtttccgg tcttaatcaa ctcgatatca aagtttctaa atcaatcgca aatccgtctc      840
53 attcataaac actataaaga acatcaagat aggagaatct cgcggtgtga gttgattcaa      900
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61 <211> LENGTH: 326
62 <212> TYPE: PRT
63 <213> ORGANISM: Arabidopsis thaliana
65 <400> SEQUENCE: 2
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71 Ser Thr Asn Ser Ser Glu Ser Arg Ser Asn Glu Glu Leu Phe Ser Asp
72          20          25          30
75 Cys Asp Gln Gln His Ser Ser Ile Ala Asn Glu Phe Gly Leu Thr Glu

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83 Ser Lys Leu Thr Ser His Leu Ser Asn Gln Phe Glu Ile Val Ser Ile
84 65          70          75          80
87 Leu Lys Asn Gly Phe Gln Thr Pro Leu Gly Gln Ala Lys Leu Lys Ala
88          85          90          95
91 Phe Gln Ile Tyr Ala Glu Ser Val Ala Lys Lys Ser Gly Ser Cys Cys
92          100          105          110
95 Gly Asn Lys Ala Ala Val Ala Glu Ala Ala Arg Val Lys Tyr Gly Cys
96          115          120          125
99 Cys Gly Val Glu Lys Glu Glu Leu Lys Ala Ile Leu Met Tyr Gly Phe
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103 Ser Asn Asn Ala Leu Cys Leu Ser Pro Asp Asn Ala Pro Leu Gln Cys
104 145          150          155          160
107 Met Ile Asp Pro Ser Ser Cys Asn Glu Asp Gly Ile Ser Phe Leu
108          165          170          175
111 Leu Phe Ser Arg Ile Ile Met Gly Lys Ser Glu Val Val Cys Ser Thr
112          180          185          190
115 Ser Gln Ser Tyr Pro Ser Ser Met Glu Phe Asp Ser Gly Val Asp Ser
116          195          200          205
119 Leu Thr Ser Pro Asn Lys Tyr Ile Ile Trp Ser Thr His Met Asn Thr
120          210          215          220
123 His Val Leu Pro Glu Phe Val Val Cys Ile Lys Thr Pro Ser Ile Leu
124 225          230          235          240
127 Lys Arg Ile Ala Asp Leu Val Cys Leu Phe Asp Ile Glu Asn Pro Lys
128          245          250          255
131 Ser Pro Trp Ile Ser Phe Pro Val Leu Ile Asn Ser Ile Ser Lys Phe
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135 Leu Asn Gln Ser Gln Ile Arg Leu Ile His Lys His Tyr Lys Glu His
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161 aggtttattc gtggcctcgg catgctcggg cctaaaaccg aggttgctct cgttcgccga 180
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167 acgaacggcg aggacgacgt gaacgacatc gtttcgcaag gcttcggctt cgcgcacggc 360
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175 agtttttcgg ggcctacaaa gtacatcatt tggagcaatc gcatgaacac tcatgttttg 600
177 cctgcgtatg ttgtaagctt cagagtttct tccttcaaag ggatggagaa gagtgaagaa 660
179 gaacctttga gacctacttc gccttggatg ccattcccaa ctctgatttc tgcgctttca 720
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185 <211> LENGTH: 1162
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198 tcattattgt agaaaccaat atcttatcac cgactatttg cctcatccgt accaccaggt 300
200 cgctccggct catectcttc ctcttgaatt cttcatagta tctgatgacc aactccatgt 360
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VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date